The Access Management Preliminary Review Procedure

NCDOT Traffic Engineering Conference
for Operations and Safety

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THE
BIG
GAME!

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THE TEAM

Opposing teams?

One team!

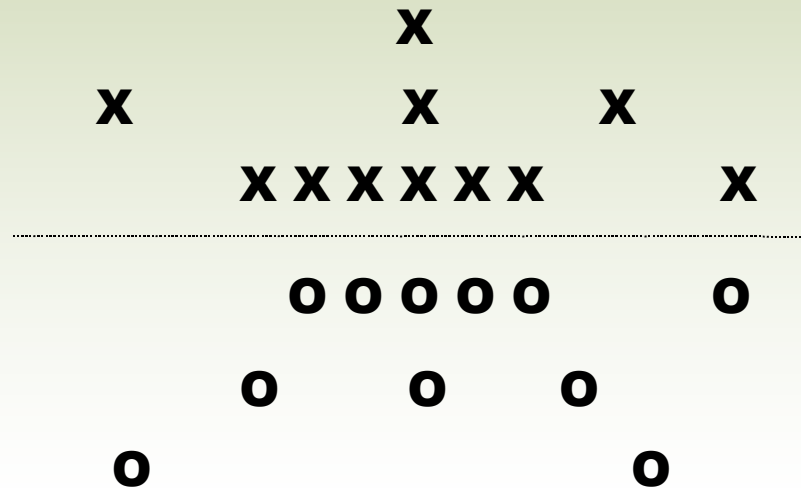NCDOT Traffic Engineering Branch • Access Management Group

OUR FIELD

Our Procedure/Playbook

1) Gather Background Data

- Aerials
- TIP Information
- C/A Limits
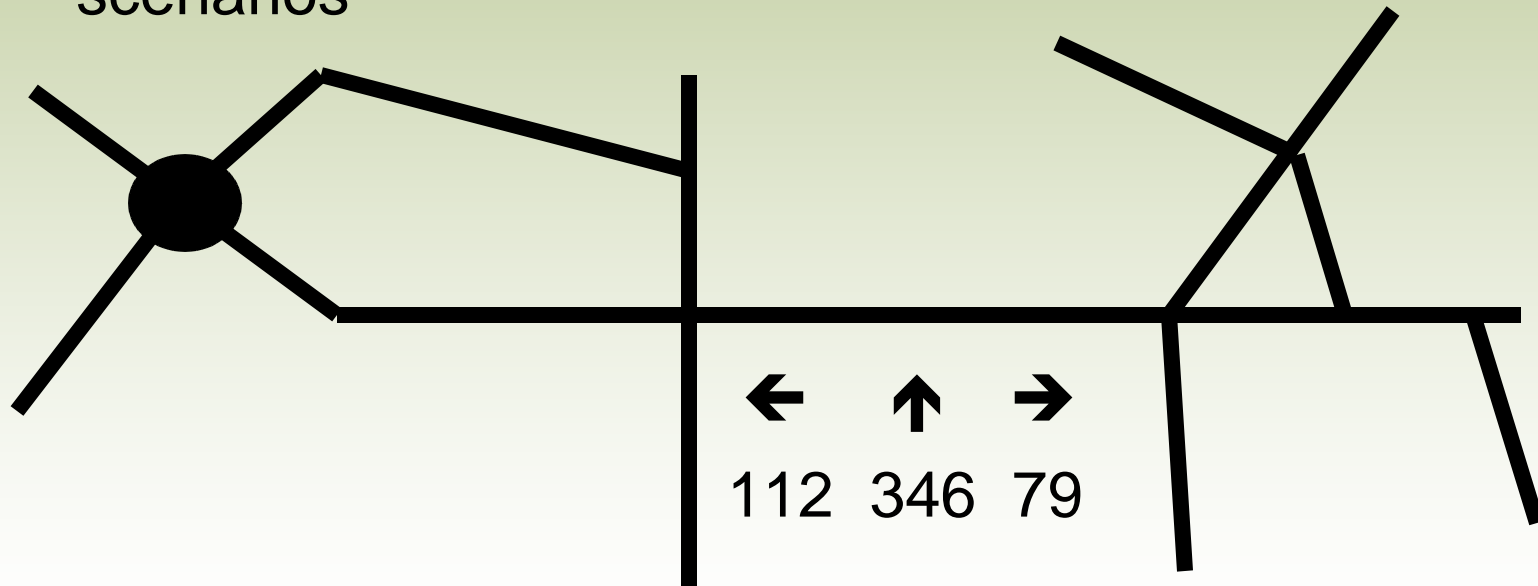- Median Breaks
- Signal Plans
- Thoroughfare Plans
- AADT
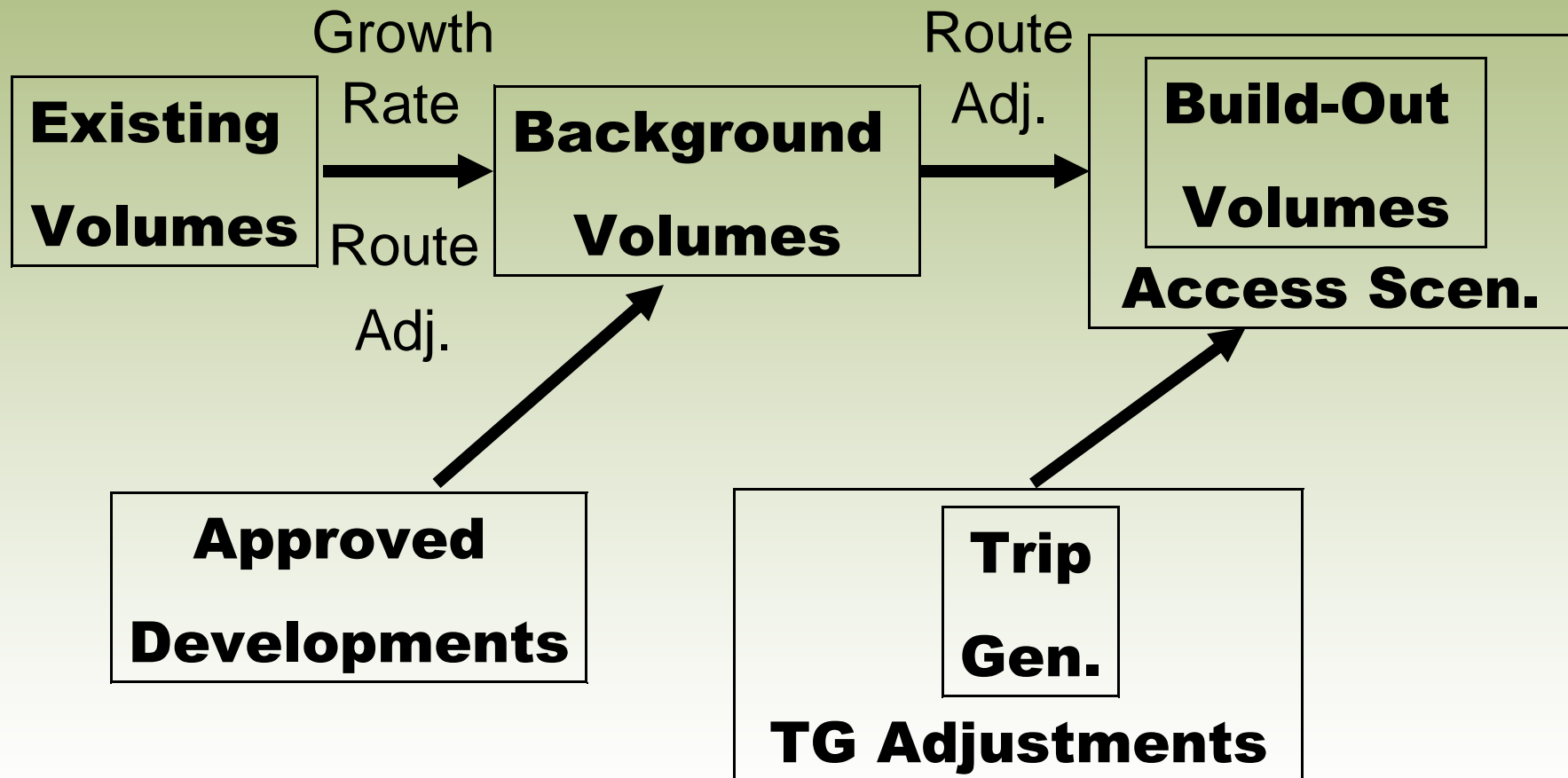
THE VOLUME ALGORITHM!

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Our Procedure/Playbook

2) Check Volume Algorithm

- Verify procedures, formulas, and calculations used to determine volumes across all scenarios

← ↑ →

112 346 79

2) Check Volume Algorithm

Existing Volumes → Growth Rate / Route Adj. → Background Volumes → Route Adj. → Build-Out Volumes Access Scen.

Approved Developments → Background Volumes

Trip Gen. TG Adjustments → Build-Out Volumes Access Scen.

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Our Procedure/Playbook

3) Screen Synchro Data

- Compare Synchro analysis files received to the Capacity Analysis Guidelines
- Seek justification of discrepancies

3) Screen Synchro Data

NCDOT Intersection Analysis Software!

Our Procedure/Playbook

4) Perform Preliminary Engineering Review

- Read TIA

- Additional information needed?

- Compare TIA to Site Plan

- Scan Synchro and SimTraffic Analysis Files

- Check for items requiring justification/explanation

4) Perform Preliminary Engineering Review

THE PRELIMINARY REVIEW LETTER

What does it mean?

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Preliminary Review Letter

Common Requested Items

- Control of Access Break Alternatives
- Median Break Alternatives
- Volume Algorithm
- Synchro Coding
- Poor levels of service and/or excessive queuing
- Site plan and/or Synchro files

Access Management Preliminary Review Procedure

- 1) Gather Background Data

- 2) Check Volume Algorithm

- 3) Screen Synchro Data

- 4) Perform Preliminary Engineering Review

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Access Management Preliminary Review Procedure

| Acceptable Preliminary Review | → | More Detailed Review |
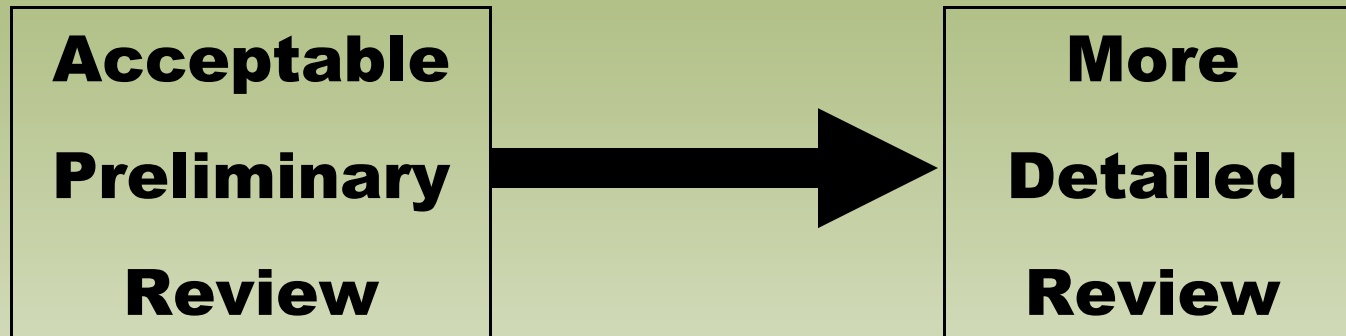
- Prelim. Review Process
- Helpful Data
- Prelim. Review Letter
- Expedites Reviews
- Promotes Better Result

Access Management Preliminary Review Procedure

The will to win is important, but the will to prepare is vital.

-Joe Paterno

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Access Management Preliminary Review Procedure

Thanks!

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